# ECS414U/A Miniproject form

Queen Mary University of London

2021/22

|  |  |
| --- | --- |
| Name | Hayri Olcay |
| Student ID | 200327570 |
| Submitted file name | Iphone.zip |
| Level of this program (1, 2, 3, Extra) | extra |

|  |
| --- |
| Brief description of the program. Write the chosen theme and a high-level overview of the features (two or three sentences should suffice). |
| I chose Business dashboard. My business deals with buying and selling (iphones in this example however product listing can be expanded and renamed) and the data for products, purchases and sales are all saved into corresponding txt file. The program hits all the requirements (eg it has a gui and permanent storage) |

|  |  |
| --- | --- |
| List all your source code files, and briefly describe their roles. Add as many rows as necessary. Mark the main file used for compilation in bold. | |
| File name | Description |
| Iphone.java | Id, name, quantity, sellPrice, purchasePrice are all defined and passed through here |
| IphoneReposit.java | Files.move(new File(fileName).toPath(), new File(fileName).toPath(), java.nio.file.StandardCopyOption.REPLACE\_EXISTING);  so this is what moves data to the repository |
| IphoneServices.java | Refers to calling parent class (name, quantity, sellPrice, purchasePrice ) variables |
| IphoneTransactions.java | updates in memory product quantity, file product quantity and  adds product sell entry to file. |
| **GUIFramework.java** | This is the GUI source code where all of the above comes together with buttons for commands and format etc |

|  |
| --- |
| Class diagram, in the format specified in the instructions. |
|  |

|  |
| --- |
| Usage instructions. Describe briefly what features are available to the user and how to use them. If File I/O is used, list and describe the files involved. |
| **See video provided for a visual representation of how everything is used**  Features available/necessary for business are editing the product name, adding a new product, deleting a product and inputting the sale/purchase of products. The input data for products, purchases and sales are all saved into corresponding txt file with the same names. |

|  |
| --- |
| Other comments. LOOK AT README.txt PROVIDED (found in dist folder in zip) |
| These are all the files that should be in the zip and **(right image is) the libraries needed to execute the code**    Look at readme.txt and movie provided for extra information/proof |